

**METHOD AND APPARATUS FOR SEARCHING FOR RADIO STATION FOR  
WIRELESS AD HOC COMMUNICATION NETWORK**

**Abstract**

A system and method wherein a master node 710 comprises, as its primary components, a protocol stack 715, a transceiver 720, a search scheduler 725, communication volume prediction means 730 and outside-channel, signal induced interference intensity measuring means 735. A slave node 750 comprises, as its primary components, a protocol stack 760, a transceiver 765 and a search routine 755. The signal induced interference intensity read by the signal induced interference intensity measuring means 735 is transmitted to the search scheduler 725. The search scheduler 725 then employs the signal induced interference intensity to determine the total amount of the resources that are to be allocated for a search.

09706660-110600